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PATENT APPLICATION  
Docket No: 15689.55

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Yoshihiro ISHIKAWA et al.

Serial No.: 09/638,265

Art Unit  
2681

Filing Date: August 15, 2000

Confirmation No.: n/a

For: Communication Performance Calculation Method  
And Communication Performance Calculation  
Apparatus in Mobile Communication System,  
And Blocking Probability Calculation Method and  
Blocking Probability Calculation Apparatus in  
Communication System, and Recording MediumREVOCATION AND SUBSTITUTE POWER OF ATTORNEYHonorable Commissioner of Patents  
and Trademarks  
Washington, DC 20231

Sir:

The undersigned, Yoshitaro Shimanuki, declares: that he is the Intellectual Property Executive Manager of NTT DoCoMo, Inc., and that he is authorized to execute this Revocation and Substitute Power of Attorney on behalf of NTT DoCoMo, Inc.; and that NTT DoCoMo, Inc. is the assignee of the entire interest of the above-identified application, as shown by the assignment recorded in the United States Patent Office at Reel 011016, Frame 0419, a copy of said assignment is attached at Exhibit A hereto; and that the attached assignment has been reviewed by him, and to the best of his knowledge and belief title is in the assignee NTT DoCoMo, Inc.. The assignee, NTT DoCoMo, Inc., hereby revokes all previous powers of attorney in the above-identified application, and now hereby appoints all attorneys under customer number:

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**022913**

PATENT TRADEMARK OFFICE

of WORKMAN, NYDEGGER & SEELEY, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, as attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith. The declarant further declares that all statements made herein of his own knowledge are true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon. All correspondence and telephonic communications should be directed to:

ADRIAN J. LEE  
WORKMAN, NYDEGGER & SEELEY  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111

All previous powers of attorney are hereby revoked.

Signed this 30 day of September, 2002.

Yoshitaro Shimanuki  
Intellectual Property Executive Manager  
NTT DoCoMo, Inc.  
11-1, Nagatacho 2-Chome  
Chiyoda-Ku  
Tokyo 100-6150, Japan



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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Washington, D.C. 20231

3815/96

MAY 30, 2001

PTAS

BROWN RAYSMAN MILLSTEIN FELDER, ET AL.  
120 WEST 45TH STREET  
NEW YORK, NY 10036



\*101700329A\*

**CORRECTED  
NOTICE**

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/15/2000

REEL/FRAME: 011016/0419  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
ISHIKAWA, YOSHIHIRO

DOC DATE: 08/01/2000

ASSIGNOR:  
IWAMURA, MIKIO

DOC DATE: 08/01/2000

ASSIGNEE:  
NTT DOCOMO, INC.  
11-1, NAGATACHO 2-CHOME, CHIYOKA-  
KU  
TOKYO 100-6150, JAPANSERIAL NUMBER: 09638265  
PATENT NUMBER:FILING DATE: 08/15/2000  
ISSUE DATE:**BEST AVAILABLE COPY**

REGINA COATES-WHITE, SUPERVISOR  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

RECORDS UPDATED

08/15/01

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FORM PTO-1595  
1-31-02

05-29-2001



101700329

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ER

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Yoshihiro ISHIKAWA, Mikio IWAMURA

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

## 3. Nature of conveyance:

☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date:

## 2. Name and address of receiving party(ies):

Name: NTT Docomo, Inc.

Internal Address: 11-1, Nagatacho 2-chome,  
Chiyoka-ku, Tokyo 100-6150, Japan

Street Address:

City: State: ZIP:

Additional name(s) & address(es) attached? ☐ Yes ☐ No

## 4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is:

## A. Patent Application No.(s)

09638265

## B. Patent No.(s)

5. Name and address of party to whom  
correspondence concerning document should be  
mailed:BROWN RAYSMAN MILLSTEIN FELDER &  
STEINER LLP

120 West 45th Street

New York, New York 10036  
(212) 944-15156. Total number of applications and patents  
involved: 1

## 7. Total fee (37 CFR 3.41):..... \$ 40.00

☐ Check enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number: 02-4270

(Attach duplicate copy of this page by deposit account)  
Please charge any additional fees required, or credit any  
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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy  
is a true copy of the original document.

Name of Person Signing

Res. No. 40,997

Signature

August 15, 2000

Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

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Box Assignments

Washington, D.C. 20231

08/21/2000 ROUTED TO 40000044-001270 09638265

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Additional numbers attached? ☐ Yes ☐ No

Docket No. 3815/96

**ASSIGNMENT**

WHEREAS, we, 1) Yoshihiro ISHIKAWA and 2) Mikio IWAMURA  
a citizen of Japan,

residing at 1) 4-18-4-503, Nobi, Yokosuka-shi, Kanagawa 239-0841, Japan,  
2) #101, 1-8-62, Kotsubo, Zushi-shi, Kanagawa 249-0008, Japan

have invented one or more inventions (hereinafter referred to as "said invention(s)")  
disclosed in an application for Letters Patent of the United States titled

COMMUNICATION PERFORMANCE CALCULATION METHOD AND COMMUNICATION  
PERFORMANCE CALCULATION APPARATUS IN MOBILE COMMUNICATION SYSTEM,  
AND BLOCKING PROBABILITY CALCULATION METHOD AND BLOCKING PROBABILITY  
CALCULATION APPARATUS IN COMMUNICATION SYSTEM, AND RECORDING MEDIUM

(hereinafter referred to as "said application"), said application having been executed on  
even date herewith or filed on \_\_\_\_\_ and assigned application  
Serial No. \_\_\_\_\_.

WHEREAS, NTT DOCOMO, INC.,  
(hereinafter together with its successors and assigns referred to as "the Assignee"), a  
Japanese corporation, having a place of business at

11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan

is desirous of obtaining all right, title and interest in, to and under said invention(s) and  
said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and  
sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set  
over, and by these presents hereby sell, assign, transfer and set over to the Assignee all  
right, title and interest in, to and under said invention(s) and said application, including  
the right to apply for any Letters Patent of the United States of America and in any and all  
foreign countries on said invention(s), and any and all other applications for Letters Patent  
on said invention(s), in whatsoever countries, including all divisional, renewal, substitute,  
continuation, continuation-in-part and convention applications based in whole or in part  
upon said invention(s) or upon said application, and any and all Letters Patent which may  
issue thereon in the United States and foreign countries, and any and all reissues,  
extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent  
granted for said invention(s) or upon said applications, to the full term or terms for which  
said Letters Patent may be issued, and every priority right that is or may be predicated  
upon or arise from said invention(s), said application and said Letters Patent, the same to  
be held and enjoyed by the Assignee for its own use and benefit fully and entirely as if the  
same would have been held and enjoyed by us had this Assignment not been made. We  
hereby authorize the Assignee to file patent applications in any and all countries on any or  
all of said invention(s) in our names, or in its name, or otherwise as the Assignee may deem  
advisable, under the International Convention or otherwise.

We hereby authorize the Commissioner of Patents and Trademarks of the  
United States, and any official of any other country empowered to issue patents, to record  
this Assignment, and to issue or transfer all said Letters Patent on said invention(s) to the  
Assignee as owner of all right, title and interest therein, or otherwise as the Assignee may  
direct, in accordance with the terms of this Assignment.

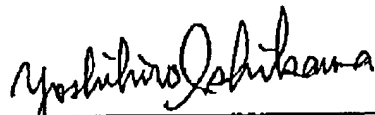
Docket No. 3815126

We hereby represent and warrant that we have the full right to convey the entire right and interest herein assigned, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein.

We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: August 1, 2000

  
(Signature) Yoshihiro ISHIKAWA

Date: August 1, 2000

  
(Signature) Mikio IWAMURA